

AMENDMENTS TO THE CLAIMS

Cancel claims 1, 21-27, 34 and 42-57 without prejudice.

This listing of claims will replace all prior versions, and listing, of claims in the application.

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1. (canceled)
 2. (currently amended) The method of claim 1 including before performing the behavior of the commands, setting values of attributes defined in the received request.
 3. (currently amended) The method of claim 1 including before performing the behavior of a command, validating the values of the input attributes of the command.
 4. (currently amended) The method of claim 1 wherein a command definition defines a value of an attribute.
 5. (currently amended) The method of claim 1 wherein a command definition defines a scope associated with an attribute.
 6. (currently amended) The method of claim 1 wherein the command definition defines an object class and including instantiating an object of the object class before setting the values of the input attributes of the command.
 7. (original) The method of claim 6 wherein the object class defines a Java bean.
 8. (currently amended) ~~The method of claim 1~~ A method in a computer system for executing a program, the method comprising:

providing a plurality of definitions of interactions of the program, an
interaction having one or more command definitions defining commands and a view
definition, a command having input attributes and output attributes and a behavior, each
interaction being associated with a request;
receiving a request;
identifying the interaction associated with the received request;
for each command of the identified interaction,
preparing the command by setting values of input attributes of the command based on
attribute values stored in an attribute store;
performing the behavior of the command with the input attributes; and
extracting attribute values of the command by retrieving values of the output attributes of
the command and storing the retrieved values of the attributes in the attribute store; and
providing a response generated by the view associated with the identified
interaction;

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wherein the view definition defines a view with attributes and a behavior ~~and~~
~~wherein the performing of the view includes~~ the method further comprising:
setting values of input attributes of the view based on attribute values stored in an
attribute store; and
performing the behavior of the view with the set attributes.

9. (original) The method of claim 8 wherein the behavior of the view provides a display page.

10. (currently amended) The method of claim 4 ~~8~~ wherein the view definition defines a view with a target and including invoking the target to generate a response.

11. (original) The method of claim 10 wherein the response is a display page.

12. (original) The method of claim 11 wherein the target is a Java server page.

13. (original) The method of claim 11 wherein the target is an active server page.

14. (currently amended) The method of claim + 8 wherein the definition of an interaction includes a conditional that specifies a view to execute based on the value of an attribute in the attribute store.

15. (currently amended) The method of claim + 8 wherein the definition of an interaction includes a conditional that specifies a command whose behavior is to be performed based on the value of an attribute in the attribute store.

16. (currently amended) The method of claim + 8 wherein a command definition specifies mapping between a name of an attribute stored in the attribute store and a name of an attribute of the command.

17. (currently amended) The method of claim + 8 wherein a command definition indicates whether the behavior of the command should be performed when an error is detected while performing the behavior of the commands of the interaction.

18. (currently amended) The method of claim + 8 including providing a translator for preparing ~~command~~ commands and for extracting attributes from the commands.

19. (currently amended) The method of claim + 8 wherein a command definition identifies a translator.

20. (currently amended) The method of claim + 8 wherein a command definition provides a value for an attribute that is used in place of the value of that attribute stored in the attribute store.

21-27. (canceled)

28. (original) A method in a computer system for generating source code for a program, the method comprising:

receiving a list of names of functions to be invoked by the program;
for each of the functions to be invoked of the program,
 identifying names of formal parameters of the function; and
 outputting an invocation of the function that includes names of actual parameters
derived from the identified names of formal parameters whereby the output invocations of the
functions form the source code for the program.

29. (original) The method of claim 28 wherein each function has a signature that includes
the name of the function and type of each formal parameter.

30. (original) The method of claim 28 wherein each function has an associated object and
including outputting source code to instantiate the object for each function.

31. (original) The method of claim 30 wherein the object has a set and get method for
setting and getting values of parameters.

32. (original) The method of claim 28 including receiving an alias for a name of a
parameter.

33. (currently amended) A computer-readable medium containing a data structure
defining a command-based program, the data structure including:

 for commands of the program, a descriptor for the command, the descriptor
identifying an object class, the object class defining input and output attributes and having a
perform method

 whereby the program is executed by instantiating objects corresponding to the object
classes of the commands, setting input attribute values of objects based on output attribute
values of objects, and performing the perform method of the objects;

wherein the commands are organized into interactions, one of the interactions
including a first object class to retrieve a current application context of the application, a
second object class to begin a transaction for an asset catalog, a third object class to identify a
value of attributes of an asset to be added to the asset catalog, a fourth object class to store an

entry identified by a created object in the asset catalog, and a fifth object class to indicate that the transaction is ending.

34. (canceled)

35. (currently amended) The computer-readable medium of claim 34 33 wherein each interaction has a name.

36. (currently amended) The computer-readable medium of claim 34 33 wherein the program operates in a request-response environment and a request specifies an interaction whose commands are to be performed.

37. (original) The computer-readable medium of claim 36 wherein each interaction has an associated view that specifies a response to be provided.

38. (original) The computer-readable medium of claim 37 wherein an interaction has a condition for selection of a view.

39. (original) The computer-readable medium of claim 33 wherein the descriptor further identifies an alias for an attribute of a command.

40. (original) The computer-readable medium of claim 33 wherein the descriptor further identifies a constant for an attribute of a command.

41. (original) The computer-readable medium of claim 33 wherein the descriptor further identifies whether the command should be performed when an error is detected during execution of other commands of the program.

42-57. (canceled)